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IN THE CLAIMS

The current claims follow. For claims not marked as amended in this response, any difference in the claims below and the previous state of the claims is unintentional and in the nature of a typographical error.

1.   (Original)   For use in a wireless network, a method of providing quality-of-service (QoS) functions to a mobile station accessing the wireless network, the method comprising the steps of:

receiving from the mobile station a packet data call initiation signal;

sending an authorization request corresponding to the mobile station;

receiving an authorization message and quality-of-service profile corresponding to the mobile station;

receiving application information corresponding to the mobile station; and

determining quality-of-service parameters according to the quality-of-service profile and the application information, wherein the mobile station thereafter communicates according to the quality-of-service parameters.

2.   (Original)   The method of claim 1, wherein the packet data call initiation signal is received in a base station controller.

3.   (Original)   The method of claim 1, wherein the quality-of-service profile is stored on an authorization server.

4.   (Original)   The method of claim 1, wherein the quality-of-service parameters are sent to a packet data serving node.

5.   (Original)   The method of claim 1, wherein the application information includes an application data class.

6.   (Original)   The method of claim 1, wherein the quality-of-service profile includes delay, maximum data rate, and data loss rate information.

7.   (Original)   The method of claim 1, wherein quality-of-service parameters are determined by a quality-of-service control component.

8.   (Original)   A call management system comprising:

a QoS controller capable of receiving from a mobile station a packet data call initiation signal and sending an authorization request corresponding to the mobile station to an authorization server, wherein the QoS controller receives from the authorization server an authorization message and quality-of-service profile corresponding to the mobile station, and wherein said QoS controller is

further capable of receiving application information corresponding to the mobile station, determining quality-of-service parameters according to the quality-of-service profile and the application information, and transmitting a control message to the mobile station capable of causing the mobile station to communicate thereafter according to the quality-of-service parameters.

9.   (Original)   The call management system of claim 8, wherein the QoS controller is a part of a base station controller.

10.   (Original)   The call management system of claim 8, wherein the quality-of-service profile is stored on an authorization server.

11.   (Original)   The call management system of claim 8, wherein the quality-of-service parameters are sent to a packet data serving node.

12.   (Original)   The call management system of claim 8, wherein the application information includes an application data class.

13.   (Original)   The call management system of claim 8, wherein the quality-of-service profile includes delay, maximum data rate, and data loss rate information.

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14.   (Original)   The call management system of claim 8, wherein the QoS controller

determines the quality-of-service profile using a quality-of-service control component.

15.   (Original)   A wireless network comprising:

a plurality of base station capable of communicating with a plurality of mobile station,

wherein at least one of the plurality of base stations comprises:

a QoS controller capable of receiving from a mobile station a packet data call initiation signal

and sending an authorization request corresponding to the mobile station to an authorization server,

wherein the QoS controller receives from the authorization server an authorization message and

quality-of-service profile corresponding to the mobile station, and wherein said QoS controller is

further capable of receiving application information corresponding to the mobile station, determining

quality-of-service parameters according to the quality-of-service profile and the application

information, and transmitting a control message to the mobile station capable of causing the mobile

station to communicate thereafter according to the quality-of-service parameters.

16.   (Original)   The wireless network of claim 15, wherein the QoS controller is a part

of a base station controller.

17.   (Original)   The wireless network of claim 15, wherein the quality-of-service

profile is stored on an authorization server.

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18.   (Original)   The wireless network of claim 15, wherein the quality-of-service parameters are sent to a packet data serving node.

19.   (Original)   The wireless network of claim 15, wherein the application information includes an application data class.

20.   (Original)   The wireless network of claim 15, wherein the quality-of-service profile includes delay, maximum data rate, and data loss rate information.

21.   (Original)   The wireless network of claim 8, wherein QoS controller determines the quality-of-service profile using a quality-of-service control component.